

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/005835

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E02F9/22 F15B11/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F15B E03F E02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 164 297 A (NAT AEROSPACE LAB ; HITACHI CONSTRUCTION MACHINERY (JP)) 19 December 2001 (2001-12-19) cited in the application paragraphs '0012! - '0041!; figure 1	1-7
A	PATENT ABSTRACTS OF JAPAN vol. 0050, no. 65 (M-066), 30 April 1981 (1981-04-30) & JP 56 018102 A (NIPPON AIR BRAKE CO LTD), 20 February 1981 (1981-02-20) abstract	1-7
A	US 6 289 675 B1 (HERFS WERNER ET AL) 18 September 2001 (2001-09-18) column 4, line 15 - column 6, line 55; figure 1	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

21 September 2004

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01/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 801 231 A (COMMERCIAL INTERTECH CORP) 15 October 1997 (1997-10-15) column 7, line 30 - column 9, line 27; figure 1	1
A	EP 1 262 667 A (HITACHI CONSTRUCTION MACHINERY) 4 December 2002 (2002-12-04) paragraphs '0054! - '0056!; figure 4	1

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Information on patent family members

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